

## Product datasheet for **MG216451**

### **Ccdc105 (NM\_027630) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc105 (NM_027630) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc105
Synonyms:	4931413A09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG216451 representing NM\_027630  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTGTGTGCTCCCTCCACCGACCCGGGCCAGGACTCGCGGTTGGGGCTCCAGAATGGCGCCAGG  
 CGGCCAAGGCCACGTCTCGCAAGGCACACCTTCTGACCGATCGCTGTGGGCAAGGAGGCGGTGACCATGTG  
 GCAGCCCAAGGACAGTGTACTGGACCCGAACGTGGCACACCACCTGGGCCGCGCCGCTACATGGAACCC  
 TGGCGCTTTCGGGTAGAGATGCTCAAAGGGGGCGGCACCCCTGGAAAAGCCACCGCCCGGAGAAGGCGTCA  
 CCCTATGGAAGGAAGATGAAGCCCCGGCCTGGTACGCGCGCCTACCGCTGCCTATGCACCGCGACGC  
 GCGTGCCAGCAAACCGCCGAGGTGGTGCACGCGCACGCACGCGGGGCGCGCCTCACCGCCCGCCGCTG  
 GGCCGCGCACAGCACCAGATCAATGGGCAGCTGCGGCTGCTGCTGCGCCAGCGGAGGCCACTGACCGCA  
 GGCTCAGCGAGGTGCGCAAGGGCCTGCTCATCAATCAGCAGAGCGTCAAGTTGCGGGGCTACCGACCTAA  
 GTGTGAGAAGATCCAGACAAGGCTGACAGCTTGTCTGGGAGAAAAAGGAAGTGAAGTCCATGAAG  
 AGAAAAATGGAGAAGGACATGGAATATCGGAGGACTTGTCAAGGCTCTGGCCTCTGCAGGGGACACTC  
 TGGACTTCTACTGTGAGAAAGGCTGCAAGCTGTGGAAGTCAATGAACCAGCCACTGGACAAAAGTTCTGGA  
 GCAGGCTGGCCGCCACTCGTGGGTAGACATCACCCGACCCCAACTCCTCGAACTCAGGGCTTGAAGACG  
 CCTCCTCTGACCCATTGGCACATATACCCAGCGTGTGCTAAGGCCTTGTGTTGAAGCCAAGCGCTTGT  
 TGATGGAGTCAAAGACATCTTAACAGAGATGGCAAAGAATGAGGTGGACATTCAAAATCAACAACAGGA  
 GATAAGCAACCGTGTATGCTCCTCGCTGGCACAGAAGATGCGTGAGACCTGGAGTTGAAGGAAAGAAATG  
 ACCATGACTTTGGGGCTAATGAGGGGACTATCCACCGTGCATGAAATCAATCAAGAGATGTACGTCA  
 CGCGGGCATCATCAAGGGTCTCTGTTGAAAAGGAACCTGGAGGCGGAGAGAAAATGAACAGACTGACCT  
 GGTTGCGATGTATCAGAGACACGTGGGCACCCAGCTCCCGAGGCTACTCGCCTTGCCGAGGGTACTGAC  
 CTGCTGACCCGCCACAATTGCACATGGAAGAATTTAAAAGAGCTCCGTACAACACACGATAACCTCG  
 CCTGGGGCCTCAACTGCAAAAAGATAGGGCACGATGTGGACTACGATGTGGTGCCTGCGCCTACGCCA  
 GCGCCACCCGACGTGTCTATGAGCAAGCGCAGCGCCTGGTCAACGACTGGGACCCTCCACACCAGCG  
 CGCAGCCAAACCAATACCGCTCCAAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG216451 representing NM\_027630  
 Red=Cloning site Green=Tags(s)

MPVLLPSTDPGQDSRVGAPWRQAAKATSRKAHLLTDRCGQEAVTMWQPKDSVLDPNVAHHLGRAAYMEP  
 WRFVEMLKGGGTLEKPPPGEGVTLWKGKMKPPAWYARLPLPMHRDARAQQTAEVVHAHARGARLTAARL  
 GRAQHQINGQLRLLLRQREADRRLSEVRKGLLINQSVKLRGYRPKCEKIPDKADSLLVWEKKELKSMK  
 RKMEKDMEISEDLLKALASCRDTLDFYCQERLQAVELMNQPLDKVLEQAGRHSWVDITRPPTPRTQGLKT  
 PPPDPIGTYPACAKALFEAKRLLMESKDILTEMAKNEVDIQNQQQEISNRVCSSLAQKMRETLELKERM  
 TMTLGLMRGTIHRMKNFNQEMYVTRGIIKGPLLKRNLAREKLNRPVLRMYQRHVGTQLPEATRLAQGTD  
 LLTRHNLHMEKNLRELRTTHDNLAWGLNCKIGHVDVDYDVRRLRQRHPHVCYEQAQRLVNDWDPPTPA  
 RSQTNTASK

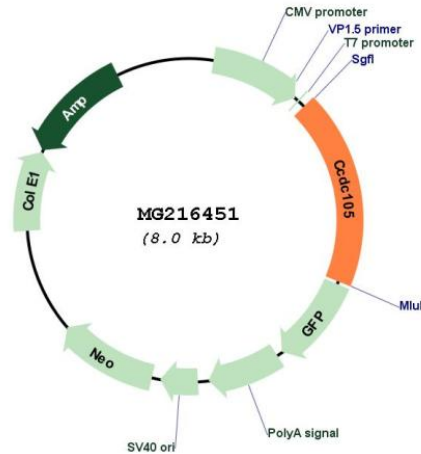
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



Plasmid Map:



ACCN: NM\_027630

ORF Size: 1497 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_027630.1](#), [NP\\_081906.1](#)

**RefSeq Size:** 1718 bp

**RefSeq ORF:** 1500 bp

**Locus ID:** 70976

**UniProt ID:** [Q9D4K7](#)

**Cytogenetics:** 10 C1